

Ashot V Arzumanyan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9448367/publications.pdf>

Version: 2024-02-01

14
papers

217
citations

1039880

9
h-index

1058333

14
g-index

15
all docs

15
docs citations

15
times ranked

180
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Aerobic Co or Cu/NHPI-catalyzed oxidation of hydride siloxanes: synthesis of siloxanols. <i>Green Chemistry</i> , 2018, 20, 1467-1471. | 4.6 | 56 |
| 2 | Aerobic Co-/N-Hydroxysuccinimide-Catalyzed Oxidation of <i>p</i> -Tolylsiloxanes to <i>p</i> -Carboxyphenylsiloxanes: Synthesis of Functionalized Siloxanes as Promising Building Blocks for Siloxane-Based Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 2143-2151. | 6.6 | 32 |
| 3 | Nature Chooses Rings: Synthesis of Silicon-Containing Macrocyclic Peroxides. <i>Organometallics</i> , 2014, 33, 2230-2246. | 1.1 | 29 |
| 4 | Six Peroxide Groups in One Molecule – Synthesis of Nine-Membered Bicyclic Silyl Peroxides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6877-6883. | 1.2 | 16 |
| 5 | Reactions of mono- and bicyclic enol ethers with the I ₂ –hydroperoxide system. <i>RSC Advances</i> , 2014, 4, 7579-7587. | 1.7 | 12 |
| 6 | Reduction of Organosilicon Peroxides: Ring Contraction and Cyclodimerization. <i>Organometallics</i> , 2016, 35, 1667-1673. | 1.1 | 12 |
| 7 | Dumbbell-Shaped, Graft and Bottlebrush Polymers with All-Siloxane Nature: Synthetic Methodology, Thermal, and Rheological Behavior. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000645. | 2.0 | 10 |
| 8 | Silica-Based Aerogels with Tunable Properties: The Highly Efficient BF ₃ -Catalyzed Preparation and Look inside Their Structure. <i>Macromolecules</i> , 2021, 54, 1961-1975. | 2.2 | 10 |
| 9 | Ionic Cyclopropenium-Derived Triplatinum Cluster Complex [(Ph) ₃ C ₃] ₂ Pt ₃ (MeCN) ₄] ²⁺ (BF ₄) ⁻ : Synthesis, Structure, and Perspectives for Use as a Catalyst for Hydrosilylation Reactions. <i>Organometallics</i> , 2021, 40, 3876-3885. | 1.1 | 10 |
| 10 | Copper-Catalyzed Oxidation of Hydrosilanes: A New Method for the Synthesis of Alkyl- and Siloxysilanols. <i>Synlett</i> , 2018, 29, 489-492. | 1.0 | 8 |
| 11 | Iron-catalyzed C–C bond activation/C–O bond formation: Direct conversion of ketones to esters. <i>Tetrahedron Letters</i> , 2017, 58, 4667-4671. | 0.7 | 7 |
| 12 | Use of MnCl ₂ / <i>t</i> -BuOOH oxidizing system for conversion of <i>p</i> -tolylsiloxanes to <i>p</i> -carboxyphenylsiloxanes. <i>Journal of Organometallic Chemistry</i> , 2018, 862, 28-30. | 0.8 | 6 |
| 13 | Stereoregular cyclic <i>p</i> -tolyl-containing siloxanes as promising reagents for synthesizing functionalized organosiloxanes. <i>Journal of Organometallic Chemistry</i> , 2020, 914, 121223. | 0.8 | 5 |
| 14 | Stereoregular cyclic <i>p</i> -tolyl-siloxanes with alkyl, O- and N-containing groups as promising reagents for the synthesis of functionalized organosiloxanes. <i>New Journal of Chemistry</i> , 2021, 45, 9805-9810. | 1.4 | 4 |